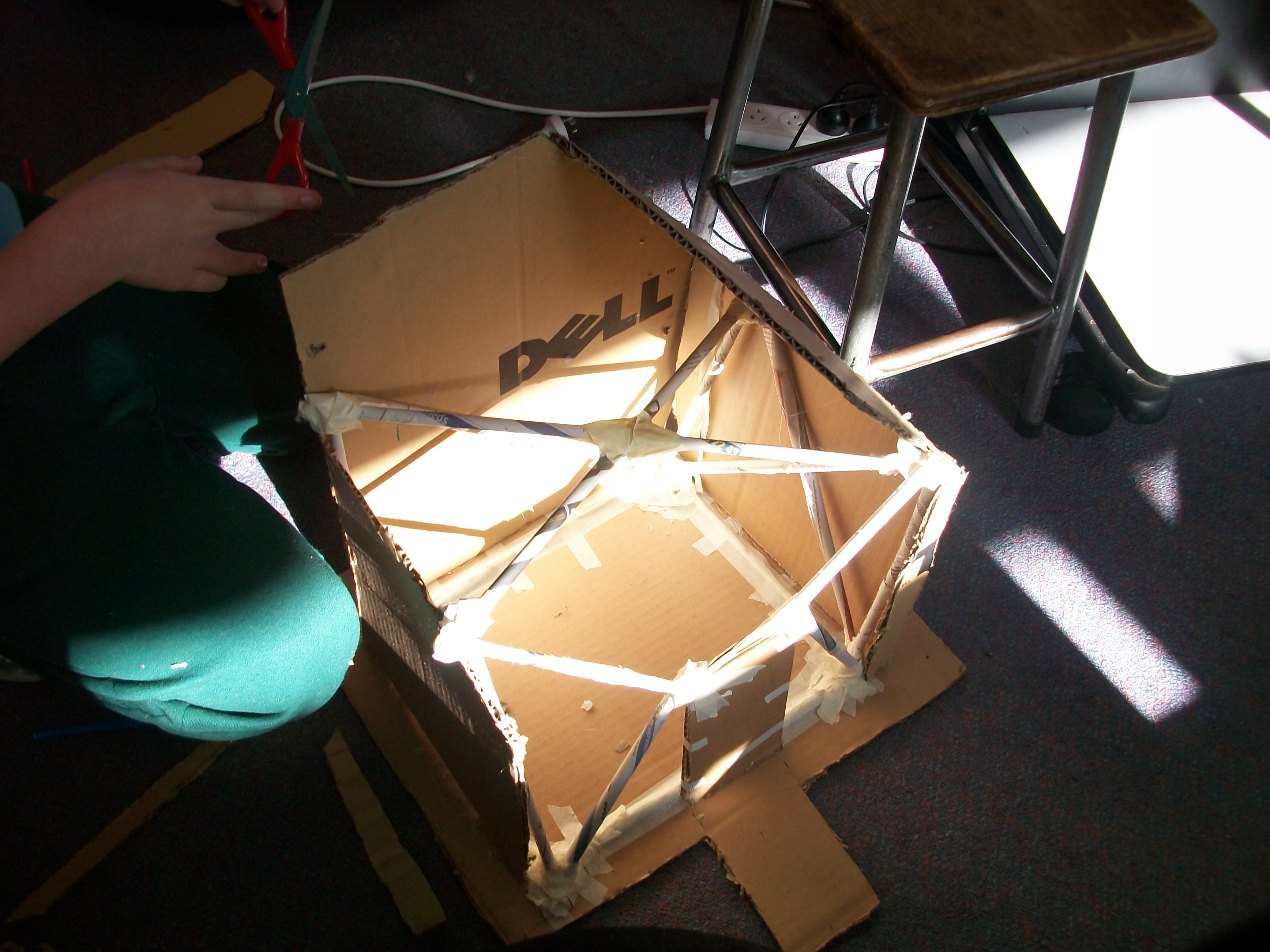
“Sudden Impact” Design folio booklet



Design brief

**You are to design and produce, for example, clothes and buildings, to take into account extreme conditions such as fire, cyclones and earthquakes.**

***OR***

**You are to design and produce equipment/food that would assist people in the aftermath of a natural disaster.**

**Name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_nick finn sashins\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DESIGNING

Designing options

Use the next three pages to develop three designs for your ideas. Remember your designs must include at least two materials and at least two different joining methods. Label each design to show:

• the different parts of the design

• how the parts will be joined

• how it will be used (use arrows to show the important information)

• the materials.

Design idea 1

Design idea 2

Selecting and justifying the best design



Which design have you chosen? (Write the number.) Why did you choose this design?

Listing the materials

In the boxes below list the materials you chose and why you chose them. Remember that you must use at least two materials. Don’t forget to list joining materials (glues etc) too.

|  |  |
| --- | --- |
| Write one material in each box. | Why did you choose this material? |
| wire | To make it flexible |
| news paper | Stable it up or hold it up like the wire |
| Masking tap | To stick the  Corners up to hold it. |
|  |  |
|  |  |
|  |  |

Developing a plan

Write a step-by-step plan of how you will make your design including the tools and equipment that you will use.

Remember that you need to use at least two joining methods and materials use levers.

|  | Write the steps here. | In this column list the tools and equipment you will use. |
| --- | --- | --- |
| Step 1 | Get all the materials and see where  We goner put them |  |
| Step 2 | Stick all the stuff together with masking tap |  |
| Step 3 | Put the paper in the wire to make it flexible and put masking tape each corner.put newspaper on each corner to make it stand up. |  |
| Step 4 |  |  |
| Step 5 |  |  |
| Step 6 |  |  |
| Step 7 |  |  |

Developing a plan (continued)

|  |  |  |
| --- | --- | --- |
| Step 8 |  |  |
| Step 9 |  |  |
| Step 10 |  |  |

Recording progress and modifications

On this and the next page, list the changes you made to your designs and the design, and explain why they were made. You don’t have to fill in every box. Just use as many as you need.

| Changes made to your drawings/designs | Changes made to your design |
| --- | --- |
| Date:  Change/s made:  Reasons for changes made: | Date:  Change/s made:  Reasons for changes made: |
| Date:  Change/s made:  Reasons for changes made: | Date:  Change/s made:  Reasons for changes made: |

Recording progress and modifications (continued)

|  |  |
| --- | --- |
| Changes made to your drawings/designs | Changes made to your design |
| Date:  Change/s made:  Reasons for changes made: | Date:  Change/s made:  Reasons for changes made: |
| Date:  Change/s made:  Reasons for changes made: | Date:  Change/s made:  Reasons for changes made: |

Testing and evaluating the design

Draw your finished design on this page.

Testing and evaluating the design (continued)

Compare the drawing of your finished design with your first drawing. List the things that are different and say why you made changes.

|  |  |
| --- | --- |
| List the things that are different. | Do you think the changes you made to your design made it better? Why? |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Look back at the materials you said you would use. Did you use the same materials? Why/why not?

Testing and evaluating the design (continued)

Do you think the materials you used were good materials to use? Why/why not?

Are there changes you could now make to your design that would make it better?